

CLAIMS

We claim:

1. An optical device comprising:

an imaging device for imaging an incident beam onto a focal surface;
a support element comprising at least one side having a shape corresponding to said focal surface, said side located on said focal surface; and
a sensor array in close contact with said one side of said support element.

2. The optical device of claim 1, wherein said sensor array comprises at least one photosensitive element mounted on a flexible structure.

3. The optical device of claim 2, wherein said flexible structure conforms to said shape of said one side of said support element.

4. The optical device of claim 2, wherein said flexible structure is bonded to said one side of said support element.

5. The optical device of claim 2, wherein said flexible structure has a thickness which ranges from about 1 micrometer to about 0.1 millimeters.

6. The optical device of claim 1, wherein said sensor array comprises a photodiode line.

7. The optical device of claim 1, wherein said imaging device comprises a grating.

8. The optical device of claim 1, wherein said focal surface is defined by a Rowland Circle.